

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>21753-013003</b>	Application No. <b>09/809,885</b>
	Applicant <b>Margrave, et al.</b>		
	Filing Date <b>March 16, 2001</b>	Group Art Unit <b>1754</b>	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/SH/	AA	5,300,203	04/05/94	Smalley			
↓	AB	5,424,054	06/13/95	Bethune et al.			
	AC	5,698,175	12/16/97	Hiura et al.			
	AD	5,346,683	09/13/94	Green et al.			
↓	AE	6,645,455	11/2003	Margrave et al.			
	AF	6,331,262	12/18/2001	Haddon et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/SH/	AG	WO 00/73205 A1	12/07/00	PCT				
↓	AH	WO 97/32571 A1	09/12/97	PCT				
↓	AI	WO 96/18059	06/13/96	PCT				
	AJ	JP 08/325008	12/10/96	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/SH/	AK	Iijima, Sumio and Ichihashi, Toshinari, "Single-shell carbon nanotubes of 1-nm diameter," <i>Nature</i> , Vol. 363, pp. 603-605, June 17, 1993.
↓	AL	Li, W.Z., et al., "Large-Scale Synthesis of Aligned Carbon Nanotubes," <i>Science</i> , Vol. 274, pp. 1701-1703, December 6, 1996.
	AM	Ugarte, D., et al., "Nanocapillarity and Chemistry in Carbon Nanotubes," <i>Science</i> , Vol. 274, pp. 1897-1899, December 13, 1996.
	AN	Rao, A.M., et al., "Diameter-Selective Raman Scattering from Vibrational Modes in Carbon Nanotubes," <i>Science</i> , Vol. 275, pp. 187-190, January 10, 1997.
	AO	Charlier, Jean-Christopher, et al., "Microscopic Growth Mechanisms for Carbon Nanotubes," <i>Science</i> , Vol. 275, pp. 646-649, January 31, 1997.
	AP	Hamada, Noriaki, et al., "New One-Dimensional Conductors. Graphitic Microtubes," <i>The American Physical Society</i> , Vol. 68, No. 10, pp. 1579-1581, March 9, 1992.
	AQ	Guo, Ting, et al., "Self-Assembly of Tubular Fullerenes," <i>J. Phys. Chem.</i> 1995, Vol. 99, No. 27, pp. 10694-10697. <b>3/21/95</b>
↓	AR	Guo, T., et al., "Catalytic growth of single-walled nanotubes by laser vaporization," <i>Chemical Physics Letters</i> , Vol. 243, pp. 49-54, 1995. <b>9/8/95</b>
	AS	Rinzler, A.G., "Unraveling Nanotubes: Field Emission from an Atomic Wire," <i>Science</i> , Vol. 269, pp. 1550-1553, September 15, 1995.

Examiner Signature

/Stuart Hendrickson/ (01/21/2008)

Date Considered

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Other Documents (include Author, Title, Date, and Place of Publication)		
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/SH/	AT	Guo, T. and Smalley, Richard E., "Production of Single-Walled Carbon Nanotubes Via Laser," <i>Electrochemical Society Proceedings</i> , Vol. 95, No. 10, pp. 636-647. 11/19/95
	AU	Thess, Andreas, "Crystalline Ropes of Metallic Carbon Nanotubes," <i>Science</i> , Vol. 273, pp. 483-487, July 26, 1996.
	AV	Ge, Maohui and Sattler, Klaus, "Scanning tunneling microscopy of single-shell nanotubes of carbon," <i>320 Applied Physics Letters</i> 65, No. 18, October 31, 1994, Woodbury, NY.
	AW	Dai, Hongjie, et al., "Single-wall nanotubes produced by metal-catalyzed disproportionation of carbon monoxide," <i>Chemical Physics Letters</i> 260, pp. 364-371, 1994. 9/27/96
	AX	Lambert, J.M., et al., "Improving conditions towards isolating single-shell carbon nanotubes," <i>Chemical Physics Letters</i> 226, pp. 364-371, 1994. 8/19/94
	AY	Zhou, Dan, et al., "Single-walled carbon nanotubes growing radially from YC2 particles," <i>320 Applied Physics Letters</i> , Vol. 65, No. 12, September 19, 1994, Woodbury, NY, U.S.
	AZ	Wang, X.K., et al., "Stable glow discharge for synthesis of carbon nanotubes," <i>Applied Physics Letters</i> , Vol. 66, No. 4, January 23, 1995, Woodbury, NY, U.S.
	AAA	Nikolaev, Pavel, et al., "Diameter Doubling of Single-Wall Nanotubes," <i>Chemical Physics Letters</i> , October 24, 1996.
	ABB	"Fullerene Crop Circles," <i>Nature</i> , Vol. 385, pp. 780-781, February 27, 1997.
	ACC	Guo, Ting, et al., "Uranium Stabilization of C28: A Tetravalent Fullerene," <i>Science</i> , submitted May 4, 1992.
	ADD	"A New Type of Solar Cell Based on Sensitized, Nanocrystalline Semiconducting Oxide Films," <a href="http://dcwww.epfl.ch/icp/ICP-2/solarcell_E.html">http://dcwww.epfl.ch/icp/ICP-2/solarcell_E.html</a> . 11/19/95
	AEE	"Transmission-Line Design Considerations," <i>Transmission-Line Parameters</i> , Ch. 5, Sec. 5.1, pp. 135-139. Glover et al. 1994 (no month)
	AFF	Hamwi et al., "Fluorination of carbon nanotubes," <i>Carbon</i> , GB, Pergamon Press, Oxford, vol. 35, no. 6, 1997, pp. 723-728. 11/15/96
	AGG	Mickelson et al., "Fluorination of single-wall carbon nanotubes," <i>Chemical Physics Letters</i> , vol. 296, 1998, pp. 188-194. 10/19/98
	AHH	Haddon et al., "Solution Properties of Single-Walled Carbon Nanotubes," <i>Science</i> , vol. 282, October 2, 1998, pp. 95-98.
	AII	Rao et al., "Functionalised carbon nanotubes from solutions," <i>Chem. Commun.</i> , 1996, pp. 1525-1526. 2/6/96
	AJJ	USSN 60/102,909, Entitled "Method of Dissolving Single-Walled Carbon Nanotubes in Organic Solutions", Filed October 2, 1998
	AKK	USSN 60/102,787, Entitled "Solubility Properties of Single-Walled Carbon Nanotubes", Filed October 2, 1998
	ALL	Holloway et al., "Fluorination of Buckminsterfullerene" in <i>J. Chem. Soc., Chem. Commun.</i> pgs. 966-969 1991 (NO MONTH) 5/22/91
	AMM	Chen et al., "Chemical Attachment of Organic Functional Groups to Single-Walled Carbon Nanotube Material" in <i>J. Mater. Res.</i> , vol. 13 no., 9/1998
↓	ANN	Holzinger, et al., "Sidewall Functionalization of Carbon Nanotubes" <i>Angew Chem. Int. Ed.</i> 2001, 40, No. 21 pg. 4002-4005 10/31/01

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